

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A method for making a connection for composite pipe comprising:
attaching a connector having at least one trap to a liner portion of a segment of composite pipe, the pipe comprising a plurality of filament fibers wound around the liner;
winding the plurality of filament fibers across the connector, ~~wherein tension is continuously maintained on the filament fibers across the at least one trap, so that the fibers forming the outer surface of the segment of composite pipe lack a microscopic waviness;~~
compressing the plurality of filament fibers over the at least one trap; and
curing a binder which impregnates the filament fiber, wherein tension is continuously maintained on the filament fibers across the at least one trap during winding and curing, so that the fibers forming the outer surface of the segment of composite pipe lack a microscopic waviness.
2. (Original) The method as defined in claim 1 wherein the fibers initially bridge the at least one trap.
3. (Original) The method as defined in claim 1 wherein the compressing comprises wrapping the fibers proximate the at least one trap with a fiber hoop wrap.
4. (Original) The method as defined in claim 3 wherein the fiber hoop wrap comprises a material having a negative coefficient of thermal expansion.
5. (Original) The method as defined in claim 1 further comprising wrapping the trap area with heat shrinkable tape and heating the tape.
6. (Original) The method as defined in claim 2 wherein the connector comprises a plurality of traps, the filament fibers wound under tension so that each of the traps is initially bridged by the filament fibers.

7. (Original) The method as defined in claim 6 further comprising compressing the filament fibers in each of the traps prior to curing the binder.
8. (Original) The method as defined in claim 7 wherein the compressing comprises wrapping the fibers in each of the traps with a fiber hoop wrap.
9. (Original) The method as defined in claim 6 wherein each of the hoop wraps has an elastic modulus related to its position with respect to an end of the connector.
10. (Original) The method as defined in claim 6 wherein a flank angle of each trap is related to the position of each trap with respect to an end of the connector.
11. (Original) The method as defined in claim 6 wherein a depth of each trap is related to the position of each trap with respect to an end of the connector.
- 11A. (Cancelled) The method as defined in claim 6 wherein a wall thickness of the connector below each trap is related to the position of each trap with respect to the end of the connector.
12. (Original) The method as defined in claim 6 wherein a width of each trap is related to the position of each trap with respect to an end of the connector.
- 13.-23. (Cancelled)